



OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Store 9 - Marietta [135211]**  
 Machine Id  
**JOHN DEERE 304L 1LU304LXLZB048374**  
 Component  
**Rear Differential**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0037275</b>	LEC0023543	LEC0013798
Sample Date		Client Info		<b>03 Jan 2023</b>	08 Nov 2021	31 Jul 2020
Machine Age	hrs	Client Info		<b>5040</b>	4184	2453
Oil Age	hrs	Client Info		<b>1059</b>	4184	2453
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>136</b>	43	69
Iron	ppm	ASTM D5185m	>500	<b>203</b>	142	210
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	3	4
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

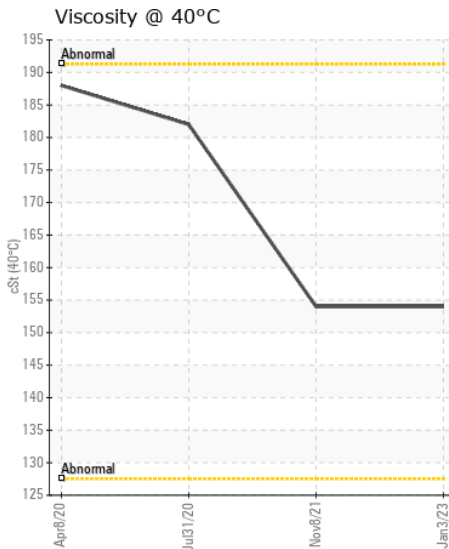
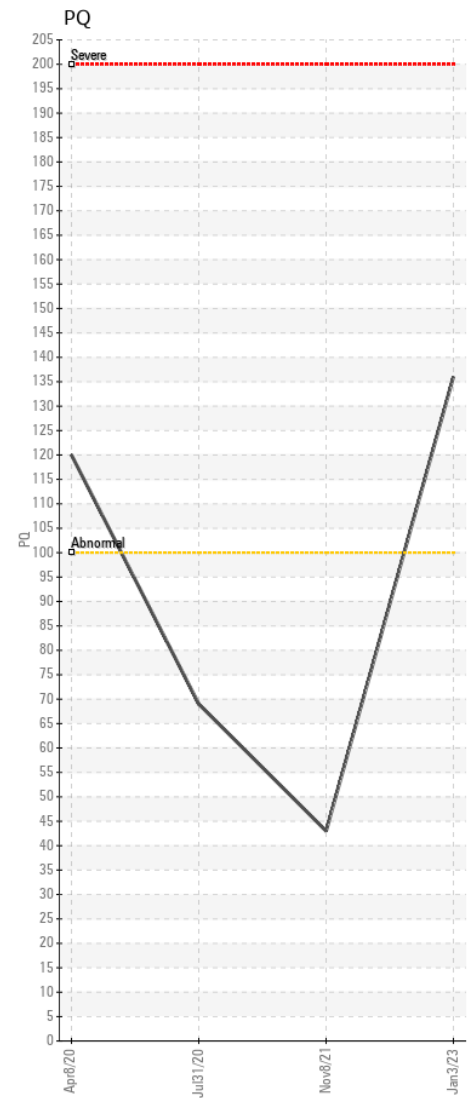
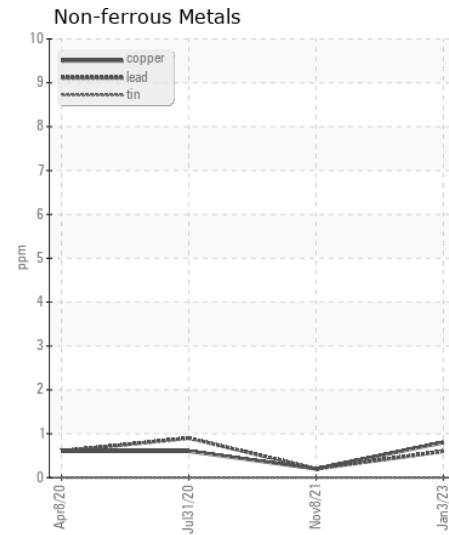
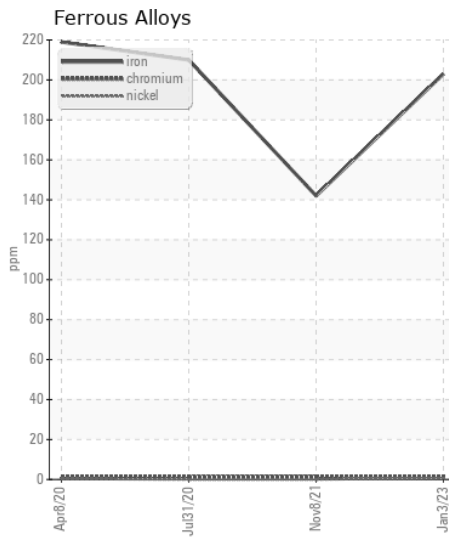
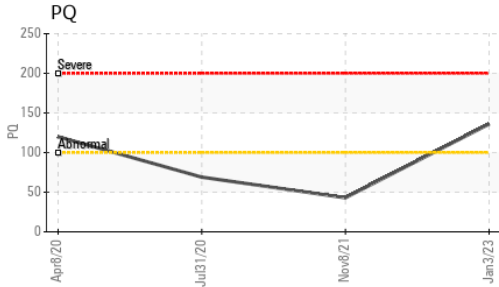
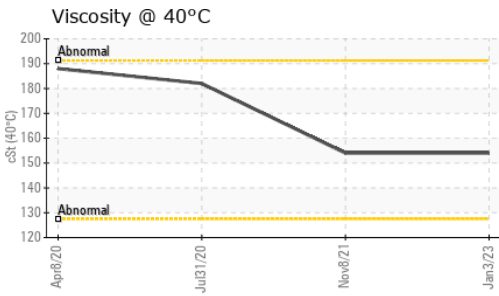
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>2</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>10</b>	5	20
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	3	19
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>4</b>	3	6
Magnesium	ppm	ASTM D5185m		<b>7</b>	0	1
Calcium	ppm	ASTM D5185m		<b>25</b>	0	30
Phosphorus	ppm	ASTM D5185m		<b>2296</b>	1351	2091
Zinc	ppm	ASTM D5185m		<b>58</b>	0	86
Sulfur	ppm	ASTM D5185m		<b>25056</b>	20573	21795
Visc @ 40°C	cSt	ASTM D445		<b>154</b>	154	182



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0037275 **Received** : 05 Jan 2023  
**Lab Number** : 05731197 **Diagnosed** : 06 Jan 2023  
**Unique Number** : 10280795 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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